

COMTREN introduces Home Networking Products Leveraging Breakthrough Powerline Technology From Marvell

New G.hn chipset provides superior streaming multimedia for today's connected lifestyle

TAIPEI, Taiwan, June 4, 2012 /PRNewswire/ -- **Computex** -- Marvell (Nasdaq: MRVL) today announced its ITU-T G.hn-compliant transceiver chipset will provide the backbone for COMTREN's new PowerGrid 9070, offering superior performance and flexibility for streaming multimedia applications in today's connected home. Marvell and COMTREN are showcasing the modem in Room 101C at Computex 2012, taking place June 5-9 at the Taipei International Convention Center.

(Logo: https://investor.marvell.com/image/Marvell_logo.jpg)

"Together with Marvell, we are creating a new generation of solutions that redefine how multimedia is consumed in the home," said Frank Chuang, vice president of marketing for COMTREN. "Marvell's G.hn chipset has emerged as one of the clear leaders, and we are excited to use the silicon in our new PowerGrid 9070, which we believe will quickly rise to the top of a crowded marketplace and accelerate the revolution that is currently underway in home entertainment."

As one of the leaders in connected home and home networking technology, Marvell has picked up considerable momentum with its G.hn chipset after the technology's debut in September 2011. The solution won a Best Electronic Design Award in December 2011 and a Connected Home Award in April 2012. Demonstrations at CES and the Asia Plugfest in 2012 generated even more interest around Marvell's Powerline roadmap and potential G.hn deployments.

For the PowerGrid 9070, COMTREN has implemented Marvell's entire [GE-DW360F G.hn Powerline reference design](#), which includes a G.hn-compliant MAC/PHY transceiver; the Marvell 88SE1510 Gigabit PHY; the 88LX3142 digital baseband processor; the 88LX2718 analog front end; full ITU-T G.hn protocol stack; and a powerful software API. Targeted for bandwidth-intensive, multi-media streaming applications, the GE-DW360F delivers performance of up to 1Gbps PHY rate – currently the fastest available in the industry.

Marvell's G.hn chipset is designed to offer a range of other benefits as well. For example, ITU-T compliance offers a multi-source ecosystem; reduced cost, complexity and time to market; and the advantage of global support across countries, regulators and vendors. It is also designed to enable complete unification of the home wireline network, including Powerline, Coax and Phoneline, to distribute more content to more screens in more rooms in the home. In all, Marvell's G.hn Powerline reference design is the ideal solution for data-rich, real-time applications such as HD IPTV, VoIP, gaming, multi-room DVR and beyond.

At a glance, the COMTREN PowerGrid 9070 offers:

- Support for all G.hn baseband bandplans (25-, 50- and 100 MHz)
- Coexistence with other technologies (UPA, IEEE1901)
- State-of-the-Art LDPC forward error correction (FEC)
- Remote configuration management integrated on-chip
- Remote one-step firmware upgrade
- Log file record of the modem performance
- Enables broad customization of features
- Multiple Input/Multiple Output technique based on G.9963 to boost PLC throughput
- Optimized and robust performance in high density MDUs (NDIM)
- Secure operation (end-to-end encryption)
- Easy installation and configuration

"Marvell is thrilled to partner with COMTREN to launch this exciting new Powerline adapter," said Dr. Gani Jusuf, vice president of product development for Marvell's Communications and Consumer Business Group. "The collaboration is a vote of confidence for our G.hn chipsets and a reflection of the significant traction the technology has already gained in the marketplace. We are confident that COMTREN will benefit greatly from this next-generation Powerline technology and that PowerGrid 9070 will help usher in a new era of enjoyment and excitement within the connected home."

About COMTREN

With more than 10 million products installed, [COMTREN CORPORATION](#) is a leading global supplier of advanced networking solutions. COMTREN is an ISO-9001/14001 certified company that designs, manufactures, and markets a wide range of networking equipment integrating ADSL, ADSL2+, Bonded ADSL2+, VDSL2, VOIP, IP

STB Multimedia, Residential Wi-Fi, Auto Configuration Systems, Digital Signage Applications and High-Speed PLC technology. COMTrend is committed to a vision of bringing people together through technology and continues to realize this vision through a focus on innovation and superior service. For more information, visit www.comtrend.com.

About Marvell

Marvell (NASDAQ: MRVL) is a world leader in the development of storage, communications and consumer silicon solutions. Marvell's diverse product portfolio includes switching, transceiver, communications controller, wireless and storage solutions that power the entire communications infrastructure, including enterprise, metro, home and storage networking. As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, visit Marvell.com.

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